

## **AMENDMENTS TO THE CLAIMS**

This listing of claims replaces all previous versions and listings of claims in this application.

### **Claim Listing:**

1. (Currently amended) A method of registering a multimode mobile station in a telecommunications system, wherein the telecommunications system comprises a home location register for maintaining mobile subscriber data and supports a first network and a second network of a different type, the method comprising:

in the home location register, maintaining the mobile subscriber data and receiving, from another network element, a message for requesting the mobile subscriber data, the mobile subscriber data comprising address information for accessing the mobile subscriber via the first and the second network of the different type;

the home location register maintaining a subscriber-specific access parameter which indicates, independently of the address information, whether the mobile subscriber has access rights to the first network and/or the second network of the different type;

wherein the first network and second network are provided by a common operator, and the first network and second network are of different type; and

in response to said message for requesting the mobile subscriber data, the home location register sending sends the mobile subscriber data and also said subscriber-specific access parameter;

whereby wherein the network element that requested the mobile subscriber data is operable to use said subscriber-specific access parameter for restricting the access location updating of the mobile subscriber station only to the first network or to the second network of the different type.

2. (Currently amended) A method of registering a multimode mobile station in a telecommunications system, wherein the telecommunications system comprises a home location

register for maintaining mobile subscriber data and supports a first network and a second network of a different type, wherein the first network and second network are provided by a common operator, ~~and the first network and second network are of different type~~, the mobile subscriber data comprising address information for accessing the mobile subscriber via the first and the second network and a subscriber-specific access parameter indicating, independently of the address information, whether the mobile subscriber has access rights to the first network and/or the second network of the different type, the method comprising:

sending from another network element to the home location register a message for requesting the mobile subscriber data, the mobile subscriber data comprising said subscriber-specific access parameter indicating, independently of the address information, whether the mobile subscriber has access rights to the first network and/or the second network of the different type;

the network element that requested the mobile subscriber data using said subscriber-specific access parameter to restrict ~~the access a location update of the mobile subscriber station~~ only to the first and/or the second network of the different type.

3. (Previously Presented) A method according to claim 1, wherein the mobile subscriber's access can be restricted only to one network even though a short message service had been defined for the mobile subscriber.

Claims 4-5: (Cancelled).

6. (Previously Presented) A method according to claim 1, wherein the telecommunications system comprises a visitor location register; and

when the mobile station is in the area of the visitor location register and receives a call or a short message and the visitor location register does not have data of the mobile subscriber, said subscriber-specific access parameter is used for restricting paging of the mobile station only to a network which the mobile subscriber has access rights to.

7. (Previously Presented) A method according to claim 1, wherein the first network is a circuit-switched network and the second network is a packet-switched network and wherein

one mode of the multimode mobile station supports the circuit-switched network and another mode supports the packet-switched network.

8. (Currently amended) A home location register configured to operate in a telecommunications system that supports multimode mobile stations and which comprises a first network and a second network of a different type, the first and second networks being provided by a common operator, the home location register comprising:

~~a computer-readable storage medium configured to store:~~

a processor; and

a memory operatively connected to the processor and configured to store a) mobile subscriber data for registering a multimode mobile station in a telecommunications system which supports a first network, a second network, and multimode mobile stations, the mobile subscriber data comprising address information for accessing the mobile subscriber station via the first and the second network; and

b) a subscriber-specific access parameter which indicates, independently of the address information, whether the a mobile subscriber to whom the mobile station has been registered has access rights to the first network and/or the second network of the different type;

wherein the first network and second network are provided by a common operator, and the first network and the second network are of different type

wherein the processor is configured to receive, from another network element, a location update message for the mobile station and to send the mobile subscriber data and said subscriber-specific access parameter as a response to said location update message.

9. (Previously Presented) A home location register according to claim 8, wherein the first and second networks share a common home location register.

10. (Cancelled).

11. (Previously Presented) A home location register according to claim 8, wherein the first network is a circuit-switched network and the second network is a packet-switched

network and wherein one mode of the multimode mobile station supports the circuit-switched network and another mode supports the packet-switched network.

12. (Cancelled).

13. (Previously Presented) A method according to claim 2, wherein the first network is a circuit-switched network and the second network is a packet-switched network and wherein one mode of the multimode mobile station supports the circuit-switched network and another mode supports the packet-switched network.

14. (Cancelled)

15. (Currently amended) A network element ~~for configured to operate in a telecommunications system which supports a first network, and a second network of a different type,~~ and multimode mobile stations, wherein the telecommunications system comprises a home location register for maintaining mobile subscriber data for registering a multimode mobile station in the telecommunications system, the mobile subscriber data comprising address information for accessing the mobile subscriber via the first and the second network and a subscriber-specific access parameter indicating, independently of the address information, whether the mobile subscriber has access rights to the first network and/or the second network ~~of the different type~~, the network element comprising:

~~means for sending~~

~~a processor configured to:~~

~~send, to the home location register, a message for requesting the mobile subscriber data, the mobile subscriber data comprising said subscriber-specific access parameter indicating, independently of the address information, whether the mobile subscriber has access rights to the first network and/or the second network location updating of the mobile station;~~

~~receive the mobile subscriber data and said subscriber-specific access parameter as a response to said message;~~

~~means for using said subscriber-specific access parameter to restrict the access location updating of the mobile subscriber station only to the first and/or the second network;~~

wherein the first network and second network are provided by a common operator, and the first network and the second network are of different type.

16. (Previously Presented) A network element according to claim 15, wherein the first and second networks share a common home location register.

17. (Previously Presented) A network element according to claim 15, wherein the first network is a circuit-switched network and the second network is a packet-switched network and wherein one mode of the multimode mobile station supports the circuit-switched network and another mode supports the packet-switched network.

18. (New) A method of registering a multimode mobile station in a telecommunications system, wherein the telecommunications system comprises home location register for maintaining mobile subscriber data and supports a first network and a second network of different type, the method comprising:

at the home location register, maintaining the mobile subscriber data and receiving, from another network element, a message for requesting the mobile subscriber data, the mobile subscriber data comprising address information for accessing the mobile subscriber via the first and the second network of different type;

the home location register maintaining a subscriber-specific access parameter which indicates, independently of the address information, whether the mobile subscriber has access rights to the first network and/or the second network of different type;

wherein the first network and second network are provided by a common operator; and

in response to said message for requesting the mobile subscriber data, the home location register sending the mobile subscriber data and also said subscriber specific access parameter;

wherein the network element that requested the mobile subscriber data is operable to use said subscriber-specific access parameter for restricting paging of the mobile station only to the first network or to the second network of different type.

19. (New) A method of registering a multimode mobile station in a telecommunications system, wherein the telecommunications system comprises a home location

register that maintains mobile subscriber data and supports a first network and a second network of a different type, wherein the first network and the second network are provided by a common operator, the mobile subscriber data comprising address information for accessing the mobile subscriber via the first and the second network and a subscriber-specific access parameter indicating, independently of the address information whether the mobile subscriber has access rights to the first network and/or the second network of different type, the method comprising:

sending from another network element to the home location register a message for requesting the mobile subscriber data, the mobile subscriber data comprising said subscriber-specific access parameter indicating, independently of the address information whether the mobile subscriber has access rights to the first network and/or the second network of the different type;

the network element that requested the mobile subscriber data using said subscriber-specific access parameter to restrict paging of the mobile station only to the first and/or the second network of different type.

20. (New) A home location register configured to operate in a telecommunications system which supports multimode mobile stations and which comprises a first network and a second network of a different type, the first network and second network provided by a common operator, the home location register comprising:

a processor; and

a memory structured to store mobile subscriber data for registering a multimode mobile station, the mobile subscriber data comprising address information for accessing the mobile station via the first and second network, and a subscriber-specific access parameter which indicates, independently of the address information, whether a mobile subscriber to whom the mobile station has been registered has access rights to the first network and/or the second network of different type;

the processor being configured to receive, from another network element, a message for restoration of the mobile subscriber data and to send the mobile subscriber data and said subscriber-specific access parameter to the network element in response to said message.

21. (New) The method of claim 18, wherein the first network is a circuit-switched network and the second network of the different type is a packet-switched network.